



TALLENTEX 2022

Syllabus & Pattern

(Stage-1)

Class VIII

Academic Session : 2021-22

PHYSICS



- ✓ Electric current and its effects
- ✓ Force and Pressure
- ✓ Heat and Temperature
- ✓ Light
- ✓ Motion and Time
- ✓ Sound

CHEMISTRY



- ✓ Acid, Bases and Salts
- ✓ Metal and Non-Metal
- ✓ Physical and Chemical Changes
- ✓ Synthetic Fibre and Plastic
- ✓ Water

BIOLOGY



- ✓ Cell Structure and Function
- ✓ Crop Production and management
- ✓ Micro Organisms: friends and foe
- ✓ Reproduction in Plants
- ✓ Forest Our Life line
- ✓ Weather, climate and adaptation of animals to climate

MATHEMATICS



- ✓ Congruence of Triangle
- ✓ Cubes and Cube Roots
- ✓ Exponents and Power
- ✓ Factors and Decimal
- ✓ Integers
- ✓ Linear Equations in One Variable (7)
- ✓ Linear Equations in One Variable (8)
- ✓ Perimeter and Area
- ✓ Practical Geometry
- ✓ Rational Number
- ✓ Squares and Square Roots
- ✓ Understanding Quadrilaterals
- ✓ Visualizing solid Shapes

IQ



- | | |
|--------------------------------|---------------------|
| ✓ Blood Relation | ✓ Mirror Image |
| ✓ Coding-decoding | ✓ Non-verbal Series |
| ✓ Counting of Figure | ✓ Number Ranking |
| ✓ Cubes and Dice | ✓ Number Series |
| ✓ Direction Sense | ✓ Venn-Diagram |
| ✓ Embedded Figure | ✓ Water Image |
| ✓ Insert the Missing Character | |
| ✓ Mathematical Operation | |

EXAM PATTERN

Paper Pattern

Part-I: Physics; Chemistry; Biology; Maths | Part-II: IQ

Pattern of Questions

160 Multiple Choice Questions of 4 choices (Single Correct Answer)

Marking Scheme

+4 for correct answer

-1 for every wrong answer.

Question Distribution

Physics: 20, Chemistry: 20, Biology: 20, Maths: 50, IQ: 50

(Each subject's questions will be divided equally into two types.

1st MCQ type | 2nd Integer type)

Mode of Exam : Online (Students will appear from home)

Medium & Duration Of Exam

Medium : English Only | Duration : 2 Hours